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APPENDIX A

Pulp & Paper Dictionary, 3rd Ed., John R. Lavigne, San Francisco:Miller Freeman Books, 1998, pp. 296, 359.

PULP & PAPER Dictionary

THIRD EDITION

BY JOHN R. LAVIGNE
TECHNICAL EDITING BY KEN L. PATRICK



To the pulp and paper industry
In appreciation for providing me with
the opportunity to be associated
with people who have shared and made the
pursuit of my career so enjoyable.

Published by Miller Freeman Books, 600 Harrison Street, San Francisco, CA 94107 Publishers of *Pulp & Paper* and *PPI* magazines A member of the United Newspapers Group

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paper manufacturers and users by either carrying and warehousing supplies of types of papers for wholesale distribution or making arrangements to have it shippe the paper mill direct to the customer.

- PAPER MICROMETER: An instrument used for measuring the thickness of paper or board sheets.
- PAPER MILL: A factory or plant location where various pulps in slurry form are me cally treated, mixed with the proper dyes, additives, and chemicals, and converted sheet of paper by the processes of drainage, formation, and drying on a paper ma Some paper mills also finish the paper in various ways.
- PAPER NAPKIN: A type of soft, absorbent tissue paper, cut and folded to various size: usually creped, embossed, or printed with appropriate designs and used for householding and table napkins.
- PAPER ROLL: A form of packaging paper sheeting by winding it around a core or sh that it can be moved from one location to another within a paper mill, or transport converters and other end users. Also refers to a paper filled roll used alternately with rolls in a supercalender to extend the nip. Also called fiber roll.
- PAPER ROLL STOCK: Any paper that makes up a roll for shipping purposes.
- PAPER SCALE: A balance especially designed to weigh a sample of paper and calibrate read the weight of a standard ream for that grade of paper.
- PAPER SCREENS: A broad group of screen types used on stock in paper mills to rer unwanted materials and separate fibers from each other.
- PAPER SHREDDER: A machine used in the mechanical treatment of wastepapers to a the pages of magazines, books, pamphlets, etc., and reduce the sheets to smaller pin making them more suitable for further processing.
- PAPER SIZE: (1) Dimensions of paper which have been established by the paper indu according to their type. Also called sheet size (2) Substances, such as rosin, gelatin, staglue, wax etc., added to paper stock slurries or coated on the sheet to make it resistant penetration by water and ink. Often known simply as size.
- PAPER STOCK: A water slurry of various pulp libers, dyes, additives, and chemicals that be pumped to the paper machine for forming into a sheet
- PAPER TESTS: Various paper mill physical test procedures conducted on samples of pataken from rolls to determine whether the paper meets the specifications established that particular lot or order.
- PAPER TEXTILES: Cloth-like fabric sheets made from woven, twisted paper base threads nonwoven fibers, and formed on a paper machine. See also PAPER CLOTH.
- PAPER TOWEL: Highly absorbent, thick paper that has been cut into plain or appropriate printed sheets or rolls for use in industrial and household drying and cleaning purpos. The base material for the converted product is called towelling paper.

- SINGLE FELTED PRESS: A type of press used on a linerboard machine that has only one felt
- SINGLE LOG BARKER: A type of pulpwood bark removal equipment that removes the outer bark from logs, one at a time.
- SINGLE MOTOR PAPER MACHINE DRIVE: The use of one big adjustable or fixed speed electric motor to run the various sections of a paper machine through a shaft or rope-type drive.
- SINGLE OPERATOR INTERFACE: See SINGLE WINDOW.
- SINGLE PLY: A descriptive reference to any solid paper or paperboard sheet made up of only one layer.
- SINGLE SHEET CUT: A paper finishing operation in which paper sheets are cut individually.
- SINGLE STAGE CENTRIFUGAL PUMP: A type of pump used in pulp and paper mills in which the total head is developed by one impeller.
- SINGLE STAGE HYPOCHLORITE BLEACHING: The simplest chemical pulp bleaching process, consisting of only one operation, using either calcium or hypochlorite bleaching solution.
- SINGLE TIER DRYING: A dryer system arrangement in which the sheet passes over only a single row or bank of traditional dryer drums, rather than serpentine fashion over alternating top and bottom dryer drums. This reduces draw in the dryers and reportedly boosts overall drying efficiency.
- SINGLE WHITE VAT-LINED BOARD: A two-ply paperboard made on a cylinder machine with one white layer made from chemical pulp and white wastepaper, with a backing made from old used papers.
- SINGLE WINDOW: Process control terminology referring to the structural capability of viewing data and information from many and sometimes all interrelated segments of a manufacturing process from any single system terminal. Also referred to as single operator interface.
- SISAL HEMP: Fiber obtained from a plant found in areas with moderate temperatures. It is used in the manufacture of ropes and textiles that become a waste material fiber source for the manufacture of certain types of paper and paperboard. It is sometimes used directly for papermaking.
- SIXTH HAND: A member of the paper machine crew who is under the supervision of the machine tender but generally receives instructions from the back tender and the third hand. Duties include keeping the general floor areas around the machine clean, emptying the broke trucks, maintaining general neatness, and being knowledgeable of the work and duties of the third and fifth hands on the paper machine crew.
- SIZE: A substance, such as rosin, gelatin, glue, starch, waxes, etc., added to paper stock furnish or to the surface of a sheet made from it. It is used to impart ink- and water-repelling properties. Also called paper size.